

4 parts

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ART 34 AMDT

A bucket for crushing and screening stone

Technical field

The present invention relates to a bucket for crushing and screening stone and similar materials, according to the preamble to the main claim.

5 Technological background

In the technical field in question, self-propelled vehicles equipped with buckets for collecting material such as stone or the like, inside which crushing means are provided for crushing the material collected to the desired size, are known.

Amongst others, an example of known crushing means comprises two jaws, of which
10 one moves pivotably relative to the other and which are moved in a manner such as to compress between them, and hence to crush, the material which is introduced into the bucket. However, these crushing means lead to some disadvantages which result in poor performance and non-homogeneity in the processing of the material treated. Known buckets therefore have high power consumption and are subject to blockage
15 due to choking with the material introduced.

Description of the invention

The main object of the present invention is to provide a bucket for crushing and screening stone and similar materials in which the crushing operation is particularly effective and efficient.

20 A further object is to provide a bucket in which the size of the crushed material is easily adjustable.

Another object is to produce a bucket which is subject to little or no obstruction due to blockage with the material treated.

Yet another object is to produce a bucket which can be adapted to a plurality of self-propelled vehicles and which can easily be produced in many different sizes.
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A further object is to provide a bucket which permits optimal, in particular homogeneous, crushing of a plurality of different materials.

The objects proposed are achieved by the present invention by means of a bucket formed in accordance with the appended claims.

30 Brief description of the drawings

The characteristics and the advantages of the invention will become clearer from the detailed description of two embodiments thereof, described by way of non-limiting example with reference to the appended drawings, in which: